THE CANADIAN ENTOMOLOGIST

Index to Volume 116 (1984)

SUPPLEMENTS AND MEMOIRS



THE ENTOMOLOGICAL SOCIETY OF CANADA, OTTAWA

- Alfaro, R.I., Borden, J.H., Harris, L.J., Nijholt, W.W., and McMullen, L.H. Pine oil, a feeding deterrent for the white pine weevil, *Pissodes strobi* (Coleoptera: Curculionidae), 41.
- Allyson, S. Description of last-instar larvae of 22 species of North American Spilomelini (Lepidoptera: Pyralidae: Pyraustinae) with a key to species, 1301.
- Anderson, R.S. Connatichela artemisiae, a new genus and species of weevil from the Yukon Territory (Coleoptera: Curculionidae: Leptopiinae): taxonomy, paleontology, and biogeography, 1571.
- Ayre, G.L. See Struble, D.L., 103. Bailey, B.K. See Steck, W.F., 619.
- Baker, G.T. and Wighton, D.C. Fossil aquatic oribatid mites (Acari: Oribatida: Hydrozetidae: Hydrozetes) from the Paleocene of south-central Alberta, Canada, 773.
- Barron, J.R. and Bisdee, H.E. Hymenopterous parasites with lepidopterous and sawfly hosts on Lonicera (Honeysuckle) in the Ottawa area, 1345.
- Bartels, P.H. See Sahota, R.S., 481.
- Baumgaertner, J.U. See Gutierrez, A.P., 923.
- Baxter, J.A. See Loo-Sar Chia, 801.
- Behan-Pelletier, V.M. Ceratozetes (Acari: Ceratozetidae) of Canada and Alaska, 1449.
- Bellows, T.S., Jr., Owens, J.C., and Huddleston, E.W. Flight activity and dispersal of range ceterpillar moths, Hemileuca oliviae (Lepidoptera: Saturniidae), 247.
- Benjamin, D.M. See Rauf, A., 1213, 1219.
- Bennett, G.F. See Finney, J.R., 285.
- Berisford, C.W. See Hanula, J.L., 1251.
- Berryman, A.A. See Wright, L.C., 293.
- Bilodeau, R.J. See Turnock, W.J., 257.
- Bisdee, H.E. See Barron, J.R., 1345.
- Binns, M.R. See Bostanian, N.J., 663.
- Blaine, W.D. and McEwen, F.L. Nutrition of the onion maggot, Delia antiqua (Diptera: Anthomyiidae), 473.
- Borden, J.H. See Alfaro, R.I., 41; Miller, G.E., 607; Whitney, H.S., 1419.
- Bostanian, N.J., Dondale, C.D., Binns, M.R., and Pitre, D. Effects of pesticide use on spiders (Araneae) in Quebec apple orchards, 663.
- Bousquet, Y. The subgenus Steropus Dejean (Coleoptera: Carabidae: Pterostichus): adult and larval character states, with notes on taxonomic limits and relationships, 1611.

 See Landry, J-F., 1557.
- Bousquet, Y., Smetana, A., and Maddison, D.R. Trechus quadristriatus, a Palaearctic species introduced into North America (Coleoptera: Carabidae), 215.
- Bracken, G.K. Within plant preferences of larvae of Mamestra configurata (Lepidoptera: Noctuidae) feeding on oilseed rape, 45.
- Bracken, G.K. and Bucher, G.E. Measuring the cost-benefit of control measures for bertha armyworm (Lep-idoptera: Noctuidae) infestations in rapeseed, 591.
- Bristow, C.M. Spatial segregation between Aphis vernoniae (Aphididae) and Publilia reticulata (Membracidae), two species of colonial Homoptera on New York ironweed, 855.
- Brittain, J.E. and Mutch, R.A. The effect of water temperature on the egg incubation period of Mesocapnia oenone (Plecoptera) from the Canadian Rocky Mountains, 549.
- Bucher, G.E. See Bracken, G.K., 591.
- Burger, J.F. See Pistrang, L.A., 975.
- Burgess, L. Changes in relative abundance of the flea beetles Phyllotreta striolata and Phyllotreta cruciferae (Coleoptera: Chrysomelidae) in Saskatchewan parkland with increasing distance from the boreal forest, 653.
- Byers, J.R. See Struble, D.L., 103.
 Byers, J.R., Roth, B.T., Thomson, R.D., and Topinka, A.K. Contamination of mustard and canola seed by frass of painted lady caterpillars, Vanessa cardui (Lepidoptera: Nymphalidae), 1431.
- Cameron, E.A. See Loerch, C.R., 147.
- Campbell, C.J. See Vakenti, J.M., 69.
- Campbell, J.M. A revision of the North American Omaliinae (Coleoptera: Staphylinidae). The genera Arpedium Erichson and Eucnecosum Reitter, 487.
 - A review of the North American species of the omaliine genera Porrhodites Kraatz and Orochares Kraatz (Coleoptera: Staphylinidae), 1227.
- (Coleoptera: Staphylinidae), 1227. Campbell, R.W. See Youngs, L.C., 1665.
- Campbell, R.W., Torgersen, T.R., and Srivastava, N. Number and size of eggs in egg masses of the western spruce budworm (Lepidoptera: Tortricidae), 657.
- Cecich, R.A. See Rauf, A., 1213, 1219.
- Chauvin, R.L. See Tamaki, G., 197.
- Cheng, H.H. Residual toxicity of six pyrethroid and two organophosphorous insecticides on soil surface against darksided cutworm (Lepidoptera: Noctuidae) on tobacco in Ontario, 11.
- Chorney, R.J. See Shepherd, R.F., 1041, 1533.
- Chow, F.J. and Mackauer, M. Inter- and intraspecific larval competition in Aphidius smithi and Praon pequodorum (Hymenoptera: Aphididae), 1097.

1685

Cloutier, C. The effect of host density on egg distribution by the solitary parasitoid Aphidius nigripes (Hymenoptera: Aphidiidae), 805.

Cohen, A.C. and Patana, R. Efficiency of food utilization by Heliothis zea (Lepidoptera: Noctuidae) fed artificial diets or green beans, 139.

Colbo, M.H. and O'Brien, H. A pilot black fly (Diptera: Simuliidae) control program using Bacillus thuringiensis var. israelensis in Newfoundland, 1085.

Corneil, J.A. See Haack, R.A., 625.

Cornell, J.A. and Wilson, L.F. Dispersion and seasonal activity of the pales weevil, Hylobius pales (Coleoptera: Curculionidae), in Michigan Christmas tree plantations, 711.

Courtemanch, D.L. See Gibbs, K.E., 203.

Cunningham, J.C. See Shepherd, R.F., 1533.

Daigle, J-Y. See Maltais, P., 781.

Dang, P.T. A new species of Cochylis Treitschke (Lepidoptera: Cochylidae) from Saskatchewan, 253.

Dimond, J.B. See Fast, P.G., 131. Dolan, D.D. See Fiori, B.J., 1275.

Dondale, C.D. See Reeves, R.M., 221; Bostanian, N.J., 663.

Downe, A.E.R. See Houseman, J.G., 1393

Drolet, J. and McNell, J.N. Performance of the alfalfa blotch leafminer, Agromyza frontella (Diptera: Agromyzidae), on four alfalfa varieties, 795.

Eastman, C.E. See Sherrod, D.W., 159.

Eldt, D.C. and Weaver, C.A. Influence of site and fenitrothion contamination on vertical distribution of drift arthropods in a woodland stream, 1425.

Ellis, C.R. Injury by Empoasca fabae (Homoptera: Cicadellidae) to peanuts in southwestern Ontario, 1671. Evans, W.G. Odor-mediated responses of Bembidion obtusidens (Coleoptera: Carabidae) in a wind tunnel, 1653

Ewen, A.B. See Mukerji, M.K., 5.

Ewen, A.B., Mukerji, M.K., and Hinks, C.F. Effect of temperature on the toxicity of cypermethrin to nymphs of the migratory grasshopper, Melanoplus sanguinipes (Orthoptera: Acrididae), 1153.

Fasoranti, J.O. The life history and habits of a Ceanothus leaf miner, Tischeria immaculata (Lepidoptera: Tischeriidae), 1441.

Fast, P.G. and Dimond, J.B. Susceptibility of larval instars of sprace budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae), to Bacillus thuringiensis, 131. Fast, P.G. and Régnière, J. Effect of exposure time to Bacillus thuringiensis on mortality and recovery of the

spruce budworm (Lepidoptera: Tortricidae), 123.

Fields, P.G. and McNeil, J.N. The overwintering potential of true armyworm, Pseudaletia unipuncta (Lepidoptera: Noctuidae), populations in Quebec, 1647.

Finney, J.R. and Bennett, G.F. Susceptibility of early instars of spruce budworm (Lepidoptera: Tortricidae) to Heterorhabditis heliothidis (Nematoda: Rhabditidae), 285.

Fiori, B.J. and Dolan, D.D. Resistance of Betula davurica to the birch leafminer, Fenusa pusilla (Hymenoptera: Tenthredinidae), 1275

Fischer, J.M. See Foster, R.N., 1149.

Fleming, R.A., Shoemaker, C.A., and Stedinger, J.R. An assessment of the impact of large scale spraying operations on the regional dynamics of spruce budworm (Lepidoptera: Tortricidae) populations, 633.

Flinn, P.W. and Hower, A.A. Effects of density, stage, and sex of the potato leafhopper, Empoasca fabae (Homoptera: Cicadellidae), on seedling alfalfa growth, 1543.

Foltz, J.L. See Haack, R.A., 625.

Foott, W.H. and Timmins, P.R. Occurrence of the pecan weevil, Curculio caryae (Coleoptera: Curculionidae), in Persian walnut, Juglans regia, 107.

Foster, R.N., Reuter, K.C., Kinzer, J.G., and Fischer, J.M. Manner of pickup of acephate by Melanoplus occidentalis (Orthoptera: Acrididae) from aerially sprayed rangeland, 1149.

Frank, J.H. and Thomas, M.C. Cubanotyphlus largo, a new species of Leptotyphlinae (Coleoptera: Staphylinidae) from Florida, 1411.

Frazer, B.D. See Raworth, D.A., 861, 879.

Frazer, B.D. and Raworth, D.A. Predicting the time of hatch of the strawberry aphid, Chaetosiphon fragaefolii (Homoptera: Aphididae), 1131.

Fuller, M. See Neilson, W.T.A., 113.

Gates, M.A. See Martin, I.D., 1591.

Gaudet, M.D. and Schulz, J.T. Association between a sunflower fungal pathogen, Phoma macdonaldii, and a stem weevil, Apion occidentale (Coleoptera: Curculionidae), 1267.

Gaunce, A.P. See Madsen, H.F., 1659.

Gerber, G.H. Effects of starvation in the first instar larva on growth, development and survival in the red turnip beetle, Entomoscelis americana (Coleoptera: Chrysomelidae), 529.

Influence of date of oviposition on egg hatching and embryo survival in the red turnip beetle, Entomoscelis americana (Coleoptera: Chrysomelidae), 645.

Native host plants of the larvae of the red turnip beetle, Entomoscelis americana (Coleoptera: Chrysomelidae), 1281.

Gerber, G.H. and Sabourin, D.U. Oviposition site selection in Tenebrio molitor (Coleoptera: Tenebrionidae),

Gibbs, K.E., Mingo, T.M., and Courtemanch, D.L. Persistence of carbaryl (Sevin-4-oil®) in woodland ponds and its effects on pond macroinvertebrates following forest spraying, 203.

Gilbert, N. See Raworth, D.A., 861, 879.

Gill, B. See Howden, H.F., 1637.

Gillespie, D.R., King, G.G.S., Salas-Reyes, V.A., and Slessor, K.N. Determination of the sex pheromone components of Cheimophila salicella (Lepidoptera: Oecophoridae), a pest of blueberry in British Columbia,

Gordon, P.L. and McEwen, F.L. Insecticide-stimulated reproduction of Myzus persicae, the green peach aphid (Homoptera: Aphididae), 783.

Granett, J. See Robertson, J.L., 1063.

Grant, G.G. See Gray, T.G., 51, 1525; Scott, C.D., 1007; Robertson, J.L., 1063.

Gray, T.G., Slessor, K.N., Grant, G.G., Shepherd, R.F., Holsten, E.H., and Tracey, A.S. Identification and field testing of pheromone components of Choristoneura orae (Lepidoptera: Tortricidae), 51.

Gray, T.G., Slessor, K.N., Shepherd, R.F., Grant, G.G., and Manville, J.F. European pine shoot moth, Rhyacionia buoliana (Lepidoptera: Tortricidae): identification of additional pheromone components resulting in an improved lure, 1525.

Gunderman, M.W. See Rollo, C.D., 785.

Gutierrez, A.P., Baumgaertner, J.U., and Summers, C.G. Multitrophic models of predator-prey energetics,

Hanck, R.A., Wilkinson, R.C., Foltz, J.L., and Cornell, J.A. Gallery construction and oviposition by Ips calligraphus (Coleoptera: Scolytidae) in relation to slash pine phloem thickness and temperature, 625. Hadam, J.J. See Reeves, R.M., 221.

Hagley, E.A.C. See Holliday, N.J., 165.

Haissig, K. See Reardon, R.C., 153.

Halverson, T.G. Autecology of two Aeshna species (Odonata) in western Virginia, 567.

Hansen, R.W. and Osgood, E.A. Effects of a split application of Sevin-4-oil® on pollinators and fruit set in a spruce-fir forest, 457.

Hanula, J.L. and Berisford, C.W. Seasonal flight activity of the smaller European elm bark beetle, Scolytus multistriatus (Coleoptera: Scolytidae), and associates in Georgia, 1251.

Hardman, J.M. See Holmberg, R.G., 597.

Harris, J.W.E. See Thomson, A.J., 375.

Harris, L.J. See Alfaro, R.I., 41.

Heath, R. See Teal, P.E.A., 777.

Henry, J.E. See Streett, D.A., 1439. Heraty, J.M. See Laing, J.E., 1123.

Herbert, H.J., Smith, R.F., and McRae, K.B. Evaluation of non-insecticidal methods to reduce damage to chrysanthemums by the leafminer Liriomyza trifolii (Diptera: Agromyzidae), 1259.

Hinks, C.F. See Ewen, A.B., 1153.

Hokkanen, H. and Pimentel, D. New approach for selecting biological control agents, 1109.

Holliday, N.J. Carabid beetles (Coleoptera: Carabidae) from a burned spruce forest (*Picea* spp.), 919.

Holliday, N.J. and Hagley, E.A.C. The effect of sod type on the occurrence of ground beetles (Coleoptera: Carabidae) in a pest management apple orchard, 165.

Holmberg, R.G. and Hardman, J.M. Relating feeding rates to sex and size in six species of grasshoppers

(Orthoptera: Acrididae), 597.

Holmes, N.D. The effect of light on the resistance of hard red spring wheats to the wheat stem sawfly, Cephus cinctus (Hymenoptera: Cephidae), 677.

Holsten, E.H. See Gray, T.G., 51; Werner, R.A., 465.

Houseman, J.G., MacNaughton, W.K., and Downe, A.E.R. Cathepsin B and aminopeptidase activity in the posterior midgut of Euschistus euschistoides (Hemiptera: Pentatomidae), 1393.

Houseweart, M.W., Jennings, D.T. and Lawrence, R.K. Field releases of Trichogramma minutum (Hymenoptera: Trichogrammatidae) for suppression of epidemic spruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae), egg populations in Maine, 1357.

Howden, H.F. and Gill, B. Two new species of Neoathyreus Howden and Martínez from Costa Rica with distribution notes on other Athyreini from Mexico and Central America (Coleoptera: Geotrupinae), 1637. Hower, A.A. See Flinn, P.W., 1543.

Huddleston, E.W. See Bellows, T.S., 247.

Jennings, D.T. See Houseweart, M.W., 1357.

Jones, V.P. and Parrella, M.P. The sublethal effects of selected insecticides on life table parameters of Panonychus citri (Acari: Tetranychidae), 1033.

Kambhampati, S. See Mackauer, M., 1605.

Kaushik, N.K. See Rodrigues, C.S., 75, 451.

Kevan, D.K.McE. See Nosek, J., 19.

King, G.G.S. See Scott, C.D., 1007; Gillespie, D.R., 1397.

Kinzer, J.G. See Foster, R.N., 1149.

Knizeski, H.M., Jr. and Sullivan, D.J., S.J. Temporal distribution of crane flies (Diptera: Tipulidae) in a southern New York woodland, 1137.

Knowlton, A.D. See Neilson, W.T.A., 113.

Lafontaine, J.D. See Tshistjakov, Y.A., 1549.

Laing, J.E. and Heraty, J.M. The use of degree-days to predict emergence of the apple maggot, Rhagoletis pomonella (Diptera: Tephritidae), in Ontario, 1123.

Lalonde, R.G. See Shorthouse, J.D., 1335.

Lamb, R.J. Effects of flea beetles, Phyllotreta spp. (Chrysomelidae: Coleoptera), on the survival, growth, seed yield, and quality of canola, rape and yellow mustard, 269.

Landry, J-F. and Bousquet, Y. The genus Omophron Latreille (Coleoptera: Carabidae): redescription of the larval stage and phylogenetic considerations, 1557.

Lanier, G.N. See Rabaglia, R.J., 1025.

Laverty, T.M., Plowright, R.C., and Williams, P.H. Digressobombus, a new subgenus with a description of the male of Bombus digressus (Hymenoptera: Apidae), 1051.

Lawrence, R.K. See Houseweart, M.W., 1357.

Lechowicz, M.J. See Mauffette, Y., 685.

LeSage, L. The larva of Anaquedius vernix (Coleoptera: Staphylinidae), 189.

Immature stages of Canadian Neochlamisus Karren (Coleoptera: Chrysomelidae), 383.

Egg, larva, and pupa of Lexiphanes saponatus (Coleoptera: Chrysomelidae: Cryptocephalinae), 537.

Liebhold, A.M. See Volney, W.J.A., 813.

Leibhold, A.M. and Volney, W.J.A. Effect of temporal factors on reproductive isolation between Choristoneura occidentalis and C. retiniana (Lepidoptera: Tortricidae), 991.

Leibhold, A.M., Volney, W.J.A., and Waters, W.E. Evaluation of cross-attraction between sympatric Choristoneura occidentalis and C. retiniana (Lepidoptera: Tortricidae) populations in south-central Oregon, 827. Liu, H.J. See McEwen, F.L., 119.

Loan, C. See Wylie, H.G., 235.

Loerch, C.R. and Cameron, E.A. Within-tree distributions and seasonality of immature stages of the bronze birch borer, Agrilus anxius (Coleoptera: Buprestidae), 147.

Loo-Sar Chia, Baxter, J.A., and Morrison, P.E. Reduction in the nutritional requirements for oogenesis due to high concentrations of cholesterol in the larval diet of the stable fly, Stomoxys calcitrans (Diptera: Muscidae), 801.

Lucuik, G.S. Effect of climatic factors on post-diapause emergence and survival of spruce budworm larvae (Lepidoptera: Tortricidae), 1077.

Mackauer, M. See Chow, F.J., 1097.

Mackauer, M. and Kambhampati, S. Reproduction and longevity of cabbage aphid, Brevicoryne brassicae (Homoptera: Aphididae), parasitized by *Diaeretiella rapae* (Hymenoptera: Aphidiidae), 1605.

MacKenzle, K.E. and Winston, M.L. Diversity and abundance of native bee pollinators on berry crops and

natural vegetation in the Lower Fraser Valley, British Columbia, 965.

MacNaughton, W.K. See Houseman, J.G., 1393.

Maddison, D.R. See Bousquet, Y., 215.

Madden, L.V. See Walker, G.P., 1069.

Madsen, H.F. See Vakenti, J.M., 69.

Madsen, H.F., Vakenti, J.M., and Gaunce, A.P. Distribution and flight activity of obliquebanded and threelined leafrollers (Lepidoptera: Tortricidae) in the Okanagan and Similkameen valleys of British Columbia,

Maler. C.T. Seasonal development and flight activity of the spotted tentiform leafminer, Phyllonorycter blancardella (Lepidoptera: Gracillariidae), in Connecticut, 435.

Abundance and phenology of parasitoids of the spotted tentiform leafminer, Phyllonorycter blancardella (Lepidoptera: Gracillariidae), in Connecticut, 443.

Maire, A. Les Tabanidae (Diptera) à la limite septentrionale des forêts (domaine maritime du Nouveau-Québec),

Les taons (Diptera: Tabanidae) d'une tourbière à palses située à la limite des forêts (Nouveau-Québec), 1679

Maltais, P. and Daigle, J-Y. Première mention d'Aedes implicatus et d'Aedes diantaeus (Diptera: Culicidae) au Nouveau-Brunswick, 781.

Mantey, K.D. See Tamaki, G., 197; Moffitt, H.R., 1057.

Manville, J.F. See Gray, T.G., 1525.

Marrone, P.G. and Stinner, R.E. Influence of soil physical factors on survival and development of the larvae and pupae of the bean leaf beetle, Cerotoma trifurcata (Coleoptera: Chrysomelidae), 1015.

Martin, I.D. and Gates, M.A. Patterns of morphological and reproductive variation in Stenonema mayflies (Ephemeroptera: Heptageniidae) in eastern Lake Huron, 1591.

Mason, R.R., Wickman, B.E., and Paul, H.G. Effect of ash from Mount St. Helens on survival of neonate larvae of the Douglas-fir tussock moth (Lepidoptera: Lymantriidae), 1145.

Mason, T.L. and Ticehurst, M. Predation of Cryptorhopalum ruficorne (Coleoptera: Dermestidae) on egg masses of the gypsy moth, Lymantria dispar (Lepidoptera: Lymantriidae), 1675.

Mason, W.R.M. Structure and movement of the abdomen of female Pelecinus polyturator (Hymenoptera: Pelecinidae), 419.

Mauffette, Y. and Lechowicz, M.J. Differences in the utilization of three species as larval hosts and pupation sites by the gypsy moth, Lymantria dispar (Lepidoptera: Lymantriidae), 685. McEwen, F.L. See Blaine, W.D., 473; Gordon, P.L., 783.

McEwen, F.L., Ritcey, G., and Liu, H.J. Laboratory studies of radiation-induced sterility on the onion maggot, Delia antiqua (Diptera: Anthomyiidae), 119.

McFarlane, S. See Raworth, D.A., 879.

McLaughlin, J.R. See Teal, P.E.A., 777.

McMullen, L.H. See Alfaro, R.I., 41.

McNamara, J. A catalogue of types of Coleoptera in the Canadian National Collection of Insects, supplement II. 725.

McNeil, J.N. See Drolet, J., 795; Quiring, D.T., 1385; Fields, P.G., 1647.

McPherson, J.E. See Weber, B.C., 281.

McRae, K.B. See Herbert, H.J., 1259.

Miller, G.E. and Borden, J.H. Reproductive behaviour of the Douglas-fir cone gall midge, Contarinia oregonensis (Diptera: Cecidomyiidae), 607.

Mingo, T.M. See Gibbs, K.E., 203. Moffitt, H.R. See Tamaki, G., 197.

Moffitt, H.R., Mantey, K.D., and Tamaki, G. Effects of residues of chitin-synthesis inhibitors on egg hatch

and subsequent larval entry of the codling moth, Cydia pomonella (Lepidoptera: Olethreutidae), 1057.

Morris, O.N. Comparative efficacies of single and double applications of commercial Bacillus thuringiensis against the spruce budworm, Choristoneura fumiferana, in balsam fir stands, 101.

Field response of the spruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae), to dosage and volume rates of commercial Bacillus thuringiensis, 983.

Morrison, P.E. See Loo-Sar Chia, 801.

Mukerji, M.K. See Ewen, A.B., 1153.

Mukerji, M.K. and Ewen, A.B. Field evaluation of expermethrin and carbaryl as sprays and baits for grasshopper (Orthoptera: Acrididae) control in Saskatchewan, 5.

Mutch, R.A. See Brittain, J.E., 549.

Muzzio, S.F. A preliminary annotated list of the Collembola of Santa Cruz County, California, 183. Neil, K.A. Noctua comes, a noctuid new to North America (Lepidoptera: Noctuidae: Noctuinae), 479.

Neilson, W.T.A., Knowlton, A.D., and Fuller, M. Capture of blueberry maggot adults, Rhagoletis mendax (Diptera: Tephritidae), on Pherocon® AM traps and on tartar red dark sticky spheres in lowbush blueberry fields 113

Nijholt, W.W. See Alfaro, R.I., 41.

Nosek, J. and Kevan, D.K.McE. New species of Eosentomon Berlese, 1909 (Protura: Eosentomidae) from Quebec and Vermont, 19.

O'Brien, H. See Colbo, M.H., 1085.

O'Day, D.H. See Sakaluk, S.K., 1585.

Oliver, D.R. Description of a new species of Cricotopus van der Wulp (Diptera: Chironomidae) associated with Myriophyllum spicatum, 1287.

Osgood, E.A. See Hansen, R.W., 457.

Otvos, I.S. See Shepherd, R.F., 1041, 1533.

Owens, J.C. See Bellows, T.S., 247.

Parrella, M.P. See Jones, V.P., 1033.

Parrella, M.P. Effect of temperature on oviposition, feeding, and longevity of Liriomyza trifolii (Diptera: Agromyzidae), 85

Parrott, R.E. and Schmid, F. Two subspecies of Troides species from Natuna Islands, Indonesia (Lepidoptera: Papilionidae), 841.

A new subspecies of Ornithoptera croesus from Morotai Island, Indonesia, and a gynandromorph of O. croesus lydius (Lepidoptera: Papilionidae), 1519.

Patana, R. See Cohen, A.C., 139.

Paul, H.G. See Mason, R.R., 1145.

Peet, F.G. See Sahota, T.S., 481.

Peschken, D.P. Host range of Lema cyanella (Coleoptera: Chrysomelidae), a candidate for biocontrol of Canada thistle, and of four stenophagous foreign thistle insects in North America, 1377.

Pfadt, R.E. Species richness, density, and diversity of grasshoppers (Orthoptera: Acrididae) in a habitat of the mixed grass prairie, 703.

Pimentel, D. See Hokkanen, H., 1109.

Pistrang, L.A. and Burger, J.F. Effect of Bacillus thuringiensis var. israelensis on a genetically-defined population of black flies (Diptera: Simuliidae) and associated insects in a montane New Hampshire stream, 975.

Pitre, D. See Bostanian, N.J., 663.

Plowright, R.C. See Laverty, T.M., 1051.

Pluthero, F.G. and Singh, R.S. Insect behavioural responses to toxins: practical and evolutionary considerations, 57.

Pluthero, F.G. and Threlkeld, S.F.H. Mutations in *Drosophila melanogaster* affecting physiological and behavioural response to malathion. 411.

Quiring, D.T. and McNeil, J.N. Adult-larval intraspecific competition in Agromyza frontella (Diptera: Agromyzidae), 1385.

Rabaglia, R.J. and Lanier, G.N. Twig feeding by Scolytus multistriatus (Coleoptera: Scolytidae): within-tree distribution and use for assessment of mass trapping, 1025.

Randell, R. See Sherrod, D.W., 159.

Rasmussen, J.B. Chironomus (Camptochironomus) vockerothi n. sp. (Diptera: Chironomidae), from Alberta, Canada, 1643.

Rauf, A., Benjamin, D.M., and Cecich, R.A. Bionomics of *Platylygus luridus* (Hemiptèra: Miridae) in Wisconsin jack pine seed orchards, 1219.
 Rauf, A., Cecich, R.A., and Benjamin, D.M. Conelet abortion in jack pine caused by *Platylygus luridus*

(Hemiptera: Miridae), 1213.

Raworth, D.A. Population dynamics of the cabbage aphid, Brevicoryne brassicae (Homoptera: Aphididae) at Vancouver, British Columbia. II. Development, fecundity, and longevity, 871. IV. Predation by Aphidoletes aphidimyza (Diptera: Cecidomyiidae), 889. V. A simulation model, 895. See Frazer, B.D., 1131.

Raworth, D.A., Frazer, B.D., Gilbert, N., and Wellington, W.G. Population dynamics of the cabbage aphid, Brevicoryne brassicae (Homoptera: Aphididae) at Vancouver, British Columbia. I. Sampling methods and population trends, 861.

Raworth, D.A., McFarlane, S., Gilbert, N., and Frazer, B.D. Population dynamics of the cabbage aphid, Brevicoryne brassicae (Homoptera: Aphididae) at Vancouver, British Columbia. III. Development, fecundity, and morph determination vs. aphid density and plant quality, 879.
Reardon, R.C. and Haissig, K. Efficacy and field persistence of Bacillus thuringiensis after ground application

Reardon, R.C. and Haissig, K. Efficacy and field persistence of Bacillus thuringiensis after great to balsam fir and white spruce in Wisconsin, 153.

Redner, J.H. See Reeves, R.M., 221.

Reeves, R.M., Hadam, J.J., Redner, J.H., and Dondale, C.D. Identity of the North American crab spiders Xysticus durus and X. keyserlingi (Araneae: Thomisidae), 221.

Régnlère, J. A method of describing and using variability in development rates for the simulation of insect phenology, 1367.

See Fast, P.G., 123.

Retnakaran, A. See Robertson, J.L., 1063.

Reuter, K.C. See Foster, R.N., 1149.

Richards, K.W. Comparison of tumblers used to remove debris from cells of the alfalfa leafcutter bee, Megachile rotundata (Hymenoptera: Megachilidae), 719.

Ritcey, G. See McEwen, F.L., 119.

Ritchie, A.J. See Shorthouse, J.D., 1623.

Ritchie, D.C. See Whitney, H.S., 1419.

Robertson, J.L., Smith, K.C., Granett, J., and Retnakaran, A. Joint action of a juvenile hormone analogue with benzoylphenylureas ingested by western spruce budworm, *Choristoneura occidentalis* (Lepidoptera: Tortricidae), 1063.

Robinson A.G. A key to the genus Nearctaphis (Homoptera: Aphididae) in North America, 289.

Two new species of Aphis (Homoptera: Aphididae) from Holodiscus discolor in British Columbia and Oregon, 851.

Rodrigues, G.S. and Kaushik, N.K. A bioassay apparatus for the evaluation of black fly (Diptera: Simuliidae) larvicides, 75.

The effect of temperature on the toxicity of temphos to black fly (Diptera: Simuliidae) larvae, 451.

Rollo, C.D. and Gunderman, M.W. Variation among individuals and the effect of temperature on food consumption and reproduction in the cockroach, *Periplaneta americana* (Orthoptera: Blattidae), 785.

Roth, B.T. See Byers, J.R., 1431.

Ruesink, W.G. See Sherrod, D.W., 159.

Rush, R.A. See Teal, P.E.A., 777. Sabourin, D.U. See Gerber, G.H., 27.

Sahota, T.S., Peet, F.G., and Bartels, P.H. Progress towards early detection of population quality differences in bark beetles (Coleoptera: Scolytidae), 481.

Sakaluk, S.K. and O'Day, D.H. Hoechst staining and quantification of sperm in the spermatophore and spermatheca of the decorated cricket, Gryllodes supplicans (Orthoptera: Gryllidae), 1585.

Salas-Reves, V.A. See Gillespie, D.R., 1397.

Sanders, C.J. Sex pheromone of the spruce budworm (Lepidoptera: Tortricidae): evidence for a missing component, 93. Schmid, F. See Parrott, R.E., 841, 1519.

Schowalter, T.D. Dispersal of cone and seed insects to an isolated Douglas-fir tree in western Oregon, 1437. Schulz, J.T. See Gaudet, M.D., 1267.

Scott, C.D., Winston, M.L., Slessor, K.N., King, G.G.S., and Grant, G.G. The biology and pheromonebased monitoring of the driedfruit moth, Vitula edmandsae serratilineella (Lepidoptera: Pyralidae), 1007.

Scudder, G.G.E. The world Rhyparochrominae (Hemiptera: Lygaeidae). XVIII. The genus Sinierus Distant, 427

Two new genera of Rhyparochrominae (Hemiptera: Lygaeidae) from North America, 1293.

Sears, M.K. See Smith, D.B., 913.

Shepherd, R.F. See Gray, T.G., 51, 1525; Thomson, A.J., 375.

Shepherd, R.F., Otvos, I.S., and Chorney, R.J. Pest management of Douglas-fir tussock moth (Lepidoptera: Lymantriidae): a sequential sampling method to determine egg mass density, 1041.

Shepherd, R.F., Otvos, I.S., Chorney, R.J., and Cunningham, J.C. Pest management of Douglas-fir tussock moth (Lepidoptera: Lymantriidae): prevention of an outbreak through early treatment with a nuclear polyhedrosis virus by ground and aerial applications, 1533.

Sherrod, D.W., Eastman, C.E., Ruesink, W.G., and Randell, R. Sampling populations of the imported crucifer weevil, Baris lepidii (Coleoptera: Curculionidae), in commercial horseradish, 159.

Shoemaker, G.A. See Fleming, R.A., 633.

Shorthouse, J.D. and Lalonde, R.G. Structural damage by Rhinocyllus conicus (Coleoptera: Curculionidae) within the flowerheads of nodding thistle, 1335.

Shorthouse, J.D. and Ritchie, A.J. Description and biology of a new species of Diplolepis Fourcroy (Hymenoptera: Cynipidae) inducing galls on the stems of Rosa acicularis, 1623.

Silversides, R.Fi. See Thomson, A.J., 375.

Simonet, D.E. See Walker, G.P., 1069.

Simmons, T.W. and Smith, I.M. Morphology of larvae, deutonymphs, and adults of the water mite Najadicola ingens (Prostigmata: Parasitengona: Hygrobatoidea) with remarks on phylogenetic relationships and revision of taxonomic placement of Najadicolinae, 691.

Singh, R.S. See Pluthero, F.G., 57.

Slessor, K.N. See Grav. T.G., 51, 1525; Scott, C.D., 1007; Gillespie, D.R., 1397.

Smetana, A. Revision of the subfamily Sphaeridiinae of America north of Mexico (Coleoptera: Hydrophilidae). Supplementum 2, 555.

See Bousquet, Y., 215.

Smith, D.B. and Sears, M.K. Life history of Plutella porrectella, a relative of the diamondback moth, Plutella xylostella (Lepidoptera: Plutellidae), 913.

Smith, I.M. Descriptions of new species of Trisetacus (Prostigmata: Eriophyoidea) from Pinaceae in western North America, 173.

Larvae of water mites of some genera of Aturidae (Prostigmata: Hygrobatoidea) in North America with comments on phylogeny and classification of the family, 307.

Review of species of Trisetacus (Acari: Eriophyoidea) from North America, with comments on all nominate taxa in the genus, 1157

See Simmons, T.W., 691.

Smith, K.C. See Robertson, J.L., 1063. Smith, R.F. See Herbert, H.J., 1259.

Srivastava, N. See Campbell, R.W., 657.

Steck, W.F., Bailey, B.K., and Underhill, E.W. Effects of some semiochemicals on the sex pheromone of the bertha armyworm, Mamestra configurata (Lepidoptera: Noctuidae), 619.

Stedinger, J.R. See Fleming, R.A., 633.

Stinner, R.E. See Marrone, P.G., 1015.

Stock, A.J. See Whitney, H.S., 1419.

Streett, D.A. and Henry, J.E. Epizootiology of a microsporidium in field populations of Aulocara elliotti and Psoloessa delicatula (Insecta: Orthoptera), 1439.

Struble, D.L., Ayre, G.L., and Byers, J.R. Minor sex-pheromone components of Mamestra configurata (Lepidoptera: Noctuidae) and improved blends for attraction of male moths, 103.

Sullivan, D.J., S.J. See Knizeski, H.M., Jr., 1137.

Summers, C.G. See Gutierrez, A.P., 923.

Tamaki, G. See Moffitt, H.R., 1057.

Tamaki, G., Chauvin, R.L., Moffitt, H.R., and Mantey, K.D. Diffubenzuron: differential toxicity to larvae of the Colorado potato beetle (Coleoptera: Chrysomelidae) and its internal parasite, Doryphorophaga doryphorae (Diptera: Tachinidae), 197.

Teal, P.E.A., Tumlinson, J.H., McLaughlin, J.R., Heath, R., and Rush, R.A. (Z)-11-Hexadecen-1-ol: a behavioral modifying chemical present in the pheromone gland of female Heliothis zea (Lepidoptera: Noctuidae), 777.

Thomas, M.C. See Frank, J.H., 1411.

Thomson, A.J., Shepherd, R.F, Harris, J.W.E., and Silversides, R.H. Relating weather to outbreaks of western spruce budworm, Choristoneura occidentalis (Lepidoptera: Tortricidae), in British Columbia, 375.

Thomson, R.D. See Byers, J.R., 1431.

Threlkeld, S.F.H. See Pluthero, F.G., 411.

Ticehurst, M. See Mason, T.L., 1675.

Timmins, P.R. See Foott, W.H., 107.

Topinka, A.K. See Byers, J.R., 1431. Torgersen, T.R. See Campbell, R.W., 657.

Tracey, A.S. See Gray, T.G., 51.

Trimble, R.M. Effect of carbohydrate on the fecundity of the spotted tentiform leafminer, *Phyllonorycter blancardella* (Lepidoptera: Gracillariidae), 1433.

An attractant-baited sticky trap for monitoring the spotted tentiform leafminer, *Phyllonorycter blancar-della* (Lepidoptera: Gracillariidae), 1581.

Tshistjakov, Y.A. and Lafontaine, J.D. A review of the genus *Delia Dyar* (Lepidoptera: Arctiidae) with description of a new species for eastern Siberia and northern Canada, 1549.

Tumlinson, J.H. See Teal, P.E.A., 777.

Turnock, W.J. Effects of the stage of development of canola (Brassica napus) on the capture of moths in sex attractant traps and on larval density of Mamestra configurata (Lepidoptera: Noctuidae), 579.

Turnock, W.J. and Bilodeau, R.J. Survival of pupae of Mamestra configurata (Lepidoptera: Noctuidae) and two of its parasites in untilled and tilled soil, 257.

Underhill, E.W. See Steck, W.F., 619.

Vakenti, J.M. See Madsen, H.F., 1659

Vakenti, J.M., Campbell, C.J., and Madsen, H.F. A strain of fruittree leafroller, Archips argyrospilus (Lepidoptera: Tortricidae), tolerant to azinphos-methyl in an apple orchard region of the Okanagan Valley of British Columbia. 69.

Volney, W.J.A. See Liebhold, A.M., 827, 991.

Volney, W.J.A., Liebhold, A.M., and Waters, W.E. Host associations, phenotypic variation, and mating compatibility of Choristoneura occidentalis and C. retiniana (Lepidoptera: Tortricidae) populations in southcentral Oregon, 813.

Walker, G.P., Madden, L.V., and Simonet, D.E. Spatial dispersion and sequential sampling of the potato aphid, Macrosiphum euphorbiae (Homoptera: Aphididae), on processing-tomatoes in Ohio, 1069.

Waters, W.E. See Volney, W.J.A., 813; Liebhold, A.M., 827.

Weaver, C.A. See Eidt, D.C., 1425.

Weber, B.C. and McPherson, J.E. The ambrosia fungus of Xylosandrus germanus (Coleoptera: Scolytidae), 281.

Weis, A.E. Apical dominance asserted over lateral buds by the gall of Rhabdophaga strobiloides (Diptera: Cecidomyiidae), 1277.

Wellington, W.G. See Raworth, D.A., 861.

Werner, R.A. and Holsten, E.H. Scolytidae associated with felled white spruce in Alaska, 465.

Weseloh, R.M. Effect of exposing adults of the gypsy moth parasite Compsilura concinnata (Diptera: Tachinidae) to hosts on the parasite's subsequent behavior, 79.

White, N.D.G. Residual activity of organophosphorus and pyrethroid insecticides applied to wheat stored under simulated western Canadian conditions, 1403.

Whitney, H.S., Ritchie, D.C., Borden, J.H., and Stock, A.J. The fungus Beauveria bassiana (Deuteromycotina: Hyphomycetaceae) in the western balsam bark beetle, Dryocoetes confusus (Coleoptera: Scolytidae), 1419.

Wickman, B.E. See Wright, L.C., 293; Mason, R.R., 1145.

Wighton, D.C. See Baker, G.T., 773.

Wilkinson, R.C. See Haack, R.A., 625.

Williams, P.H. See Laverty, T.M., 1051.

Wilson, L.F. See Corneil, J.A., 711.

Winston, M.L. See MacKenzie, K.E., 965; Scott, C.D., 1007.

Wright, L.C., Berryman, A.A., and Wickman, B.E. Abundance of the fir engraver, Scolytus ventralis, and the Douglas-fir beetle, Dendroctonus pseudotsugae, following tree defoliation by the Douglas-fir tussock moth, Orgyia pseudotsugata, 293.

Wylle, H.G. Oviposition and survival of three Nearctic euphorine braconids in crucifer-infesting flea beetles (Coleoptera: Chrysomelidae), 1.

Wytle, H.G. and Loan, C. Five Nearctic and one introduced euphorine species (Hymenoptera: Braconidae) that parasitize adults of crucifer-infesting flea beetles (Coleoptera: Chrysomelidae), 235.

Youngs, L.C. and Campbell, R.W. Ants preying on pupae of the western spruce budworm, Choristoneura occidentalis (Lepidoptera: Tortricidae), in eastern Oregon and western Montana, 1665.

SUPPLEMENTS AND MEMOIRS

- No. 1 of Vol. LXXXVII (mailed 30 March 1955): The comparative internal larval anatomy of sawflies (Hymenoptera: Symphyta) - Doreen E. Maxwell
- No. 1 of Vol. LXXXVIII (mailed 10 December 1956): Revision of the Nearctic species of Agricutes (Coleoptera: Elateridae) - Edward C. Becker
- No. 2 of Vol. LXXXVIII (mailed 16 January 1957): Leafhoppers (Homoptera: Cicadellidae) of Canada and Alaska - Bryan P. Beirne
- No. 3 of Vol. LXXXVIII (mailed 2 January 1957): The New World species of Chrysomela L. (Coleoptera: Chrysomelidae) - W. J. Brown
- NOTE: After this issue the "Supplements" became, in fact, a self-contained series with a continuous numbering system independent to Canadian Entermologist. Nevertheless, they were still issued (with later exceptions) as "Accompanying" volumes of The Canadian mologist.

 Because four Supplements had already been published, the next one was called No. 5 — there is no Supplement No. 4.
- No. 4 there is no Supplement 4.
- No. 5 (mailed 2 December 1957): The use of larval anatomy in the study of bark beetles (Coleoptera: Scolytidae) - J. B. Thomas
- No. 6 (mailed 8 April 1958): Taxonomy, life history, and habits of the elliptoid-eyed species of Schinia (Lepidoptera: Noctuidae), with notes on the Heliothidinae - David F. Harwick
- No. 7 (mailed 28 April 1958): The Archipinae of North America (Lepidoptera: Tortricidae) T. N.
- No. 8 (mailed 12 September 1958): Larvae of the Nearctic Laurentiinae (Lepidoptera: Geometridae) W. C. McGuffin
- No. 9 (mailed 14 November 1958): Acridoidea of southern Alberta, Sasketchewan, and Manitoba (Orthoptera) - Arthur R. Brooks
- No. 10 (mailed 26 March 1959): Larvae of the North American Olethreutidae (Lepidoptera) Margaret Rae MacKay
- No. 11 (mailed 26 March 1959): Male genitalia as taxonomic characters in the Miridae (Hemiptera) - Leonard A. Kelton
- No. 12 (mailed 15 June 1959): Phytoseiid mites (Acarina: Phytoseiidae). I. Bionomics of seven species in southeastern England. II. A taxonomic review of the family Phytoseiidae, with descriptions of 38 new species - D. A. Chant
- No. 13 (mailed 14 November 1960): A synopsis of the genus Rhopalosiphum in Canada (Homoptera: Aphididae) - W. R. Richards
- No. 14 (mailed 16 March 1961): A revision of the Nearctic species of Fanniinae (Diptera Muscidae) - J. G. Chillcott
- No. 15 (mailed 1 February 1961): Synopsis of Nearctic Ichneumoninae Stenopneusticae with particular reference to the northeastern region (Hymenoptera). I. Introduction, key to Nearctic genera of Ichneumoninae Stenopneusticae, and synopsis of the Protichneumonini north of Mexico - Gerd H. Heinrich
- No. 16 (mailed 11 January 1961): Needle-mining Lepidoptera of pine in North America T. N.
- No. 17 (mailed 25 October 1961): The classification of the Papilionidae (Lepidoptera) Eugene Munroe
- No. 18 (mailed 4 April 1961): Synopsis of Nearctic Ichneumoninae Stenopneusticae with particular reference to the northeastern region (Hymenoptera). II. Synopsis of the Ichneumonini: Genera Orgichneumon, Cratichneumon, Homotherus, Aculichneumon, Spilichneumon Gerd H. Heinrich
- No. 19 (mailed 4 April 1961): Mathematical models for use in insect pest control Kenneth E. F.
- No. 20 (mailed 6 April 1961): Adult Elateridae of southern Alberta, Saskatchewan and Manitoba (Coleoptera) - A. R. Brooks
- No. 21 (mailed 13 September 1961): Synopsis of Nearctic Ichneumoninae Stenopneusticae with particular reference to the northeastern region (Hymenoptera). III Synopsis of the Ichneumoni: Genera Ichneumon and Thyrateles - Gerd H. Heinrich
- No. 22 (mailed 29 May 1961): Taxonomy and distribution of Nearctic Vespula C. D. F. Miller
- No. 23 (mailed 21 December 1961): Synopsis of Nearctic Ichneumoninae Stenopneusticae with particular reference to the northeastern region (Hymenoptera). IV. Synopsis of the Ichneumonini: Genera Chasmias, Neamblymorpha, Anisopygus, Limerodops, Eupalamus, Tricholabus, Pseudamblyteles, Eutanyacra, Ctenichneumon, Exephanes, Ectopimorpha, Pseudoamblyteles - Gerd H. Heinrich

- No. 24 (mailed 27 December 1961): Synopsis of the North American Odontiinae, with descriptions of new genera and species (Lepidoptera: Pyralidae) Eugene Munroe
- No. 25 (mailed 28 December 1961): A revision of the New World species of Thalycra Erichson, with a description of a new genus and notes on generic synonymy (Coleoptera: Nitidulidae) — Henry F. Howden
- No. 26 (mailed 19 February 1962): Synopsis of Nearctic Ichneumoninae Stenopneusticae with particular reference to the northeastern region (Hymenoptera). V. Synopsis of the Ichneumonini: Genera Protopelmus, Patrocloides, Probolus, Stenichneumon, Aoplus, Limonethe, Hybophorellus, Rubicundiella, Melanichneumon, Stenobarichneumon, Platylabops, Hoplismenus, Hemihoplis, Trogomorpha—Gerd H. Heinrich
- No. 27 (mailed 20 September 1962): Synopsis of Nearctic Ichneumoninae Stenopneusticae with particular reference to the northeastern region (Hymenoptera). VI. Synopsis of the Ichneumonini (genus Plagiotrypes), Acanthojoppini, Listrodromini and Platylabini Gerd H. Heinrich
- No. 28 (mailed 6 November 1962): Larvae of the North American Tortricinae (Lepidoptera: Tortricidae)

 Margaret Rae MacKay
- No. 29 (mailed 27 November 1962): Synopsis of Nearctic Ichneumoninae Stenopneusticae with particular reference to the northeastern region (Hymenoptera). VII. Synopsis of the Trogini addenda and corrigenda Gerd H. Heinrich
- No. 30 (mailed 1 May 1963): A catalogue of the Nearctic Chalicidoidea (Insecta: Hymenoptera) —
 Oswald Peck
 Nors: After Supplement No. 30, the series continued under the title of Memoirs of the Entomological Society of Canada.
- No. 31 (mailed 21 May 1963): The dynamics of epidemic spruce budworm populations R. F. Morris, Editor
- No. 32 (mailed 4 June 1963): Population dynamics of agricultural and forest insect pests E. J. LeRoux and others
- No. 33 (mailed 19 March 1964): Some neotropical genera resembling Epicorsia Hübner (Lepidoptera: Pyralidae) — Eugene Munroe
- No. 34 (mailed 1 April 1964): Keys to the Chalcidoidea of Czechoslovakia (Insecta: Hymenoptera)
 Oswald Peck, Zdeněk Bouček and Augustin Hoffer
- No. 35 (mailed 14 May 1964): Synopsis of Nearctic Ichneumoninae Stenopneusticae with particular reference to the northeastern region (Hymenoptera). VIII. Addenda and corrigenda, host-parasite list and generic host index, index to ichneumonid names Oswald Peck
- No. 36 (mailed 21 October 1964): The morphology, histology, and fine structure of the gut of the green peach aphid, Myzus persicae (Sulzer) (Homoptera: Aphididae) A. R. Forbes
- No. 37 (mailed 23 October 1964): Insect lipids: A review Paul G. Fast
- No. 38 (mailed 6 November 1964): Blood circulation in insect wings John W. Arnold
- No. 39 (mailed 10 December 1964): The Geotrupinae of North and Central America Henry F. Howden
- No. 40 (mailed 1 April 1965): The corn earworm complex David F. Hardwick
- No. 41 (mailed 5 April 1965): The Phytoseiidae (Acarina) of Central America D. A. Chant and E. W. Baker
- No. 42 (mailed 18 June 1965): The Muscidae of northern Canada, Alaska, and Greenland (Diptera)

 Hugh C. Huckett
- No. 43 (mailed 23 June 1965): Recherches sur la biologie et la dynamique des populations naturelles d'Archips argyropilus (Wlk.) (Lépidoptères: Tortricidae) dans le sud-ouest du Québec — Rudolphe-O. Paradis et E. J. LeRoux
- No. 44 (mailed 26 October 1965): The Callaphidini of Canada (Homoptera: Aphididae) W. R. Richards
- No. 45 (mailed 7 December 1965): The functional response of predators to prey density and its role in mimicry and population regulation C. S. Holling
- No. 46 (mailed 9 December 1965): The population dynamics of the winter month in Nova Scotia, 1954-1962 — D. G. Embree
- No. 47 (mailed 29 December 1965): Taxonomic concepts in the Ascidae, with a modified setal nomenclature for the idiosoma of the Gamasina (Acarina: Mesostigmata) — Evert E. Lindquist and G. Owen Evans
- No. 48 (mailed 1 April 1966): The functional response of invertebrate predators to prey density C.
 S. Holling

- No. 49 (mailed 16 May 1966): Revision of North American Species of Udea Guenée (Lepidoptera: Pyralidae) — Eugene Munroe
- No. 50 (mailed 15 September 1967): Guide to the Geometridae of Canada (Lepidoptera). I. Subfamily Sterrhinae W. C. McGuffin
- No. 51 (mailed 15 September 1967): Aquatic and semiaquatic Heteroptera of Alberta, Saskatchewan, and Manitoba (Hemiptera) Arthur R. Brooks and Leonard A. Kelton
- No. 52 (mailed 9 January 1968): A history of grasshopper abundance surveys and forecasts of outbreaks in Saskatchewan Paul W. Riegert
- No. 53 (mailed 12 February 1968): Generic classification, evolution, and biogeography of the Sminthuridae of the World (Collembola) — W. R. Richards
- No. 54 (mailed 19 April 1968):A review of the Trichiinae of North and Central America (Coleoptera: Scarabaeidae) Henry F. Howden
- No. 55 (mailed 3 July 1968): The imbecillus and rufus groups of the spider genus Philodromus in North America (Araneida: Thomisidae) C. D. Dondale and J. H. Redner
- No. 56 (mailed 13 September 1968): The tachinids of Trinidad. VIII. Phorocerines W. R. Thompson
- No. 57 (mailed 5 December 1968): A synopsis of the World fauna of Myzocallis (Homoptera; Aphididae)
 W. R. Richards
- No. 58 (mailed 6 November 1968): The North American Aegeriidae (Lepidoptera): A revision based on late-instar larvae Margaret Rae MacKay
- No. 59 (mailed 26 February 1969): The life histories, distribution, and immature forms of the North American sawflies of the genus Cephalcia (Hymenoptera: Pamphiliidae) D. C. Eidt
- No. 60 (mailed 19 February 1969): Review of the Holarctic tarsonemid mites (Acarina: Prostigmata) parasitizing eggs of ipine bark beetles Evert E. Lindquist
- No. 61 (mailed 17 April 1969): Contribution towards a monograph of the fleas of New Guinea George P. Holland
- No. 62 (mailed 15 July 1969): A revision of the genera of the Syrphini (Diptera: Syrphidae) J. R. Vockeroth
- No. 63 (mailed 21 June 1969): Larvae and pupae of some eastern North American Tabanidae (Diptera)

 H. J. Teskey
- No. 64 (mailed 11 November 1969): The Agromyzidae of Canada and Alaska Kenneth A. Spencer
- No. 65 (mailed 25 June 1970): A monograph of the Western Hemisphere bumblebees (Hymenoptera: Apidae; Bombinae): Bibliography H. E. Milliron
- No. 66 (mailed 6 April 1970): Le genre Rhyacophila et la famille des Rhyacophilidae (Trichoptera)

 F. Schmid
- No. 67 (mailed 24 March 1970): The genus Euxoa (Lepidoptera: Noctuidae) in North America. I. Subgenera Orosagrotis, Longivesica, Chorizagrotis, Pleonectopoda, and Crassivesca David F. Hardwick
- No. 68 (mailed 26 March 1970): The Nearctic species of Pnigalio and Sympiesis (Hymenoptera: Eulophidae) Charles Douglas Miller
- No. 69 (mailed 31 March 1970): The *Prosimulium* of Canada and Alaska (Diptera: Simuliidae) B. V. Peterson
- No. 70 (mailed 25 June 1970): Models for the development and survival of *Hyphantria cunea* in relation to temperature and humidity R. F. Morris and W. C. Fulton
- No. 71 (mailed 16 October 1970): Taxonomy and distribution of the European corn borer and allied species: Genus Ostrinia (Lepidoptera: Pyralidae) Akira Mutuura and Eugene Munroe
- No. 72 (mailed 27 July 1970): A catalogue of types of Coleoptera in the Canadian National Collection of Insects Raymond de Ruette
- No. 73 (mailed 25 November 1970): A generic revision of the North American Heliothidinae (Lepidoptera: Noctuidae) D. F. Hardwick
- No. 74 (mailed 25 November 1970): Revision of the subfamily Midilinae (Lepidoptera: Pyralidae) Eugene Munroe
- No. 75 (mailed 19 April 1971): A revision of the Trogositidae of America north of Mexico (Coleoptera: Cleroidea) — J. R. Barron
- No. 76 (mailed 31 December 1970): Morphology and evolution of the insect thorax Ryuichi Matsuda
- No. 77 (mailed 23 March 1971): The biology and dynamics of Lithocolletis blancardella (Lepidoptera: Gracillariidae) on apple in Quebec R. P. Pottinger and E. J. LeRoux

- No. 78 (mailed 25 May 1971): Pest insects of annual crop plants in Canada. I. Lepidoptera. II. Diptera. III. Coleoptera — Bryan P. Beirne
- No. 79 (mailed 20 August 1971): Revision of the tribe Quediini of America north of Mexico (Coleoptera: Staphylinidae) Aleš Smetana
- No. 80 (mailed 22 September 1971): A synopsis of the World fauna of the Saltusaphidinae, or sedge aphids (Homoptera: Aphididae) W. R. Richards
- No. 81 (mailed 30 November 1971): A revision of the Alleculidae (Coleoptera) of the West Indies

 J. M. Campbell
- No. 82 (mailed 3 December 1971): A monograph of the Western Hemisphere bumblebees (Hymenoptera: Apidae; Bombinae). I. The genera Bombus and Megabombus subgenus Bombias H. E. Milliron
- No. 83 (mailed 3 December 1971): Review of Lygocoris species found in Canada and Alaska (Heteroptera: Miridae) Leonard A, Kelton
- No. 84 (mailed 29 February 1972): A revision of the Nearctic Amaurobiidae (Arachnida: Araneida)

 Robin Leech
- No. 85 (mailed 7 April 1972): Pest insects of annual crop plants in Canada. IV. Hemiptera-Homoptera. V. Orthoptera. VI. Other groups Bryan P. Beirne
- No. 86 (mailed 21 September 1972): Guide to the Geometridae of Canada (Lepidoptera). II. Subfamily Ennominae, 1 W. C. McGuffin
- No. 87 (mailed 21 September 1972): The Chaitophorinae of Canada (Homoptera: Aphididae) W. R. Richards
- No. 88 (mailed 21 December 1972): Larval sketches of some Microlepidoptera, chiefly North American

 Margaret Rae MacKay
- No. 89 (mailed 15 February 1972): A monograph of the Western Hemisphere bumblebees (Hymenoptera: Apidae; Bombinae). II. The genus Megabombus subgenus Megabombus H. E. Milliron
- No. 90 (mailed 7 March 1973): A revision of the genus Tachinus (Coleoptera: Staphylinidae) of North and Central America J. M. Campbell
- No. 91 (mailed 19 December 1973): A monograph of the Western Hemisphere bumblebees (Hymenoptera: Apidae; Bombinae). III. The genus Pyrobombus subgenus Cullumano-bombus H. E. Milliron
- No. 92 (mailed 23 April 1974): The systematics, phylogeny, and zoogeography of Symmerus Walker and Australosymmerus Freeman (Diptera: Mycetophilidae: Ditomyiinae) Donald Douglas Munroe
- No. 93 (mailed 30 May 1974): Revision of the genus Cymbiodyta Bed. (Coleoptera: Hydrophilidae)
 Aleš Smetana
- No. 94 (mailed 13 June 1975): The cephalic structures and spiracles of final-instar larvae of the subfamily Campopleginae, tribe Campoplegini (Hymenoptera: Ichneumonidae) Thelma Finlayson
- No. 95 (mailed 18 July 1975): The lygus bugs (genus Lygus Hahn) of North America (Heteroptera: Miridae) Leonard A. Kelton
- No. 96 (mailed 4 December 1975): Revision of the genera Paraphlepsius Baker and Pendarus Ball (Rhynchota: Homoptera: Cicadellidae) K. G. A. Hamilton
- No. 97 (mailed 14 June 1976): Revisionary notes and keys to World genera of Scelionidae (Hymenoptera: Proctotrupoidea) Lubomir Masner
- No. 98 (mailed 12 October 1976): A study of the systematics of the water mite family Pionidae (Prostigmata: Parasitengona) Ian M. Smith
- No. 99 (mailed 6 October 1976): A revision of the genus Sepedophilus Gistel (Coleoptera: Staphylinidae) of America north of Mexico J. M. Campbell
- No. 100 (mailed 6 December 1976): Diptera larvae associated with trees in North America H. J. Teskey
- No. 101 (mailed 22 July 1977): Guide to the Geometridae of Canada (Lepidoptera). II. Subfamily Ennominae. 2 W. C. McGuffin
- No. 102 (mailed 29 September 1977): A revision of the Nearctic species of Orthocladius (Orthocladius) van der Wulp (Diptera: Chironomidae) Annelle R. Soponis
- No. 103 (mailed 3 November 1977): A revised classification of the Piophilidae, including 'Neottiophilidae' and 'Thyreophoridae' (Diptera: Schizophora) — J. F. McAlpine
- No. 104 (mailed 19 April 1978): Feeding and mating in the insectivorous Ceratopogoninae (Diptera)
 J. A. Downes
- No. 105 (mailed 3 April 1978): Revision of the subfamily Sphaeridiinae of America north of Mexico (Coleoptera: Hydrophilidae) Aleš Smetana

- No. 106 (mailed 19 April 1978): A revision of the North American Omaliinae (Coleoptera: Staphylinidae). 1. The genera Haida Keen, Pseudohaida Hatch, and Eudectoides new genus. 2. the tribe Coryphiini J. M. Campbell
- No. 107 (mailed 31 May 1979): The Nepticulidae (Lepidoptera) of Canada Christopher Wilkinson and J. M. Scoble. 129 pp.
- No. 108 (mailed 12 April 1979): Canada and its insect fauna H. V. Danks, Editor. 573 pp.
- No. 109 (mailed 25 September 1979): A revision of the genus Tachyporus Gravenhorst (Coleoptera: Staphylinidae) of North and Central America J. M. Campbell. 95 pp.
- No. 110 (issued 20 February 1980): Spruce budworm (Lepidoptera: Tortricidae) moth flight and dispersal: New understanding from canopy observations, radar, and aircraft — D. O. Greenbank, G. W. Schaefer, and R. C. Rainey, F.R.S. 49 pp.
- No. 111 (issued 16 July 1980): Revision of the genus Hydrochara Berth. (Coleoptera: Hydrophilidae) — Aleš Smetana. 100 pp.
- No. 112 (issued 16 July 1980): A revision of the systematics of Acalymma sensu stricto Barber (Coleoptera: Chrysomelidae) from North America including Mexico D. D. Munroe and Ray F. Smith
- No. 113 (issued 18 June 1980): Key to the genera of Scelionidae of the Holarctic Region, with descriptions of new genera and species (Hymenoptera: Proctotrupoidea) — Lubomir Masner. 54 pp.
- No. 114 (issued 17 September 1980): A revision of the genus Macrophya Dahlbom (Hymenoptera: Symphyta, Tenthredinidae) of North America Gary A. P. Gibson. 167 pp.
- No. 115 (issued 3 June 1981): The polyphyletic nature of Apanteles Foerster (Hymenoptera: Braconidae): A phylogeny and reclassification of Microgastrinae — W. R. M. Mason. 147 pp.
- No. 116 (issued 24 August 1981): Revision des Trichoptères Canadiens. 1. La famille des Rhyacophilidae (Annulipalpia) — F. Schmid. 83 pp.
- No. 117 (issued 25 September 1981): Guide to the Geometridae of Canada (Lepidoptera). II Subfamily Ennominae. 3 W. C. McGuffin. 153 pp.
- No. 118 (issued 24 November 1981): Taxonomic monograph of the genus *Pityophthorus* Eichhoff in North and Central America (Coleoptera: Scolytidae) D. E. Bright. 380 pp.
- No. 119 (issued 30 March 1982): A revision of the genus Lordithon Thomson of North and Central America (Coleoptera: Staphylinidae)—J.M. Campbell. 116 pp.
- No. 120 (issued 14 June 1982): Revision of the subfamily Xantholininae of America north of Mexico (Coleoptera: Staphylinidae)—Aleš Smetana. 389 pp.
- No. 121 (issued 22 August 1982): La famille des Xiphocentronides (Trichoptera: Annulipalpia)—F. Schmid. 127 pp.
- No. 122 (issued 22 August 1982): Revision des Trichoptères Canadiens. II. Les Glossosomatidae et Philopotamidae (Annulipalpia)—F. Schmid. 76 pp.
- No. 123 (issued 9 June 1983): Revision of the Macropsini and Neopsini of the New-World (Rhynchota: Homoptera: Cicadellidae), with notes on intersex morphology K. G. A. Hamilton. 223 pp.
- No. 124 (issued 15 September 1983): Classification of final-instar larvae of the Ichneumonidae (Hymenoptera: Ichneumonidae) David R. Gillespie and Thelma Finlayson. 81 pp.
- No. 125 (issued 24 November 1983): Révision des Trichoptères canadiens. III. Les Hyalopsychidae, Psychomyiidae, Goeridae, Brachycentridae, Sericostomatidae, Helicopsychidae, Beraeidae, Odontoceridae, Calamoceratidae et Molannidae F. Schmid. 116 pp.
- No. 126 (issued 28 December 1983): A catalogue of the eggs of some Canadian Geometridae (Lepidoptera), with comments E. H. Salkeld. 262 pp.
- No. 127 (issued 24 April 1984): A catalogue of the eggs of some Canadian Noctuidae (Lepidoptera) E. H. Salkeld. 167 pp.
- No. 128 (issued 24 April 1984): The systematics and phylogeny of the Stenochironomus complex (Xestochironomus, Harrisius, and Stenochironomus) (Diptera: Chironomidae) Art Borkent. 269 pp.
- No. 129 (issued 2 October 1984): A revision of the genus Aleochara Gravenhorst of America north of Mexico (Coleoptera: Staphylinidae, Aleocharinae) Jan Klimaszewski. 211 pp.
- No. 130 (issued 31 December 1984): The fleas of Canada, Alaska and Greenland (Siphonaptera) Ceorge P. Holland. 630 pp.

